

CLAIMS

1. A medical adhesive
which comprises a hydrophilic urethane prepolymer (UP)
5 obtained by reacting a fluorine-containing nonaromatic
polyisocyanate component (A) and a polyol component (B) having
a hydrophilic polyol (B1) as the essential component, and a
phenolic radical scavenger (PRS).
- 10 2. The medical adhesive according to Claim 1
wherein the phenolic radical scavenger (PRS) has a
molecular weight of 500 to 1,200, and at least two hydroxyl
groups.
- 15 3. The medical adhesive according to Claim 1 or 2
wherein the content of the phenolic radical scavengers
(PRS) is 0.01 to 3% by weight based on the weight of (UP).
- 20 4. The medical adhesive according to any one of Claims
1 to 3
wherein the content of oxyethylene groups in the polyol
component (B) is 30 to 100% by weight based on the weight of
the oxyalkylene groups in (B).
- 25 5. The medical adhesive according to any one of Claims
1 to 4
wherein the polyol component (B) contains a mixture of
a random copolymer obtained by addition of ethylene oxide and
propylene oxide to diols and polypropylene glycol.
- 30 6. The medical adhesive according to any one of Claims
1 to 5
wherein the content of isocyanate groups in the medical
adhesive is 1 to 10% by weight based on the weight of (UP).

7. The medical adhesive according to any one of Claims
1 to 6

which has the viscosity (at 37°C) of 0.5 to 500 Pa·s, the
maximum amount of water absorption of 0.2 to 5 ml/g, the initial
5 rate of water absorption of 0.01 to 0.5 ml/g·min, the content
of oxyethylene groups in the hydrophilic urethane prepolymer
(UP) of 30 to 100% by weight based on the weight of the
oxyalkylene groups in (UP), and the content of alkaline metals
and alkaline earth metals of 0 or less than 0.04 mmol/kg based
10 on the weight of (UP), and forms into the film having the wet
100% modulus of 0.01 to 10 MPa after cured.

8. The medical adhesive according to any one of Claims
1 to 7

15 which is used for bonding body tissues.

9. The medical adhesive according to Claim 8

wherein the body tissue is at least one tissue selected
from the group consisting of blood vessel, heart, respiratory
20 organ and digestive organ.

10. A hemostatic sealant which comprises the medical
adhesive according to any one of Claims 1 to 9.

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